Kobe Sarausad

LinkedIn
Portfolio

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Education

University of Washington	Seattle, WA	June 2023

Bachelor of Science in Statistics: Data Science
GPA: 3.55/4.00

Relevant Coursework: Data Structures and Algorithms (CSE 373), Foundational Skills for Data Science (INFO 201), Statistical Computing (STAT 302), Elements of Statistical Methods (STAT 311), Data Science and Statistics for Social Science (STAT 321), Introduction to Probability and Mathematical Statistics I (STAT 340), Introduction to Probability and Mathematical Statistics II (STAT 341)

Experience

Self-Employed	Issaquah, WA	Jun 2021 – *Present*

Private Tutor

- Taught Python data structures and the use of each structure
- Exhibited the Data Analysis process using pandas and matplotlib (cleaning, summarizing, analyzing, and presenting)
- Demonstrated Linear Regression using Pandas and Statsmodel libraries in Python

Hybrid Architecture	*Seattle, WA*	*Jun 2018 – Sep 2018*

Architect Intern
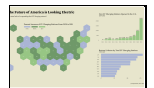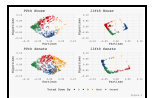
- Organized and updated spreadsheets of materials used for projects using google sheets
- Documented the environment and surroundings of future project sites

Projects

- *Polarization of Congress (R)*
  - Performed SVD analysis based on the roll calls of the 90ths and 116th congress
  - Presented the analysis in a report format using ggplot and Rmarkdown
- *NFL Betting Dashboard (R)*
  - Used R Shiny to build and deploy an interactive web dashboard for visualizing NFL betting/game data (plotly)
  - Utilized HTML and CSS for better interactivity and appearance
- *Sample R Package (R)*
  - Integrated useful Statistical functions (t-test, linear models, random forest cross-validation)
  - Built own unit tests with 100% Coverage on Codedev
- *Data Visualizations (R)*
  - Analyzed various kinds of data including sports data, economic data, political data, etc…
  - Employed dplyr to clean and analyze the data, tidymodels to create models, and ggplot/plotly to visually present the results (posted onto Twitter)

Skills

- Software Tools: Rstudio, Terminal, Eclipse, Jupyter Notebook, Virtual Studio Code, Atom, Tableau, GitHub
- Computing:
  - Proficient:
    - Data Analysis: tidyverse, hypothesis testing, statistical prediction, principal component analysis
    - Reporting: ggplot2, RMarkdown, Shiny, kableExtra
    - Development: R package development, unit testing, code coverage, version control via GitHub
  - [Basic/Familiar]: git, bash, Python, Java, HTML, CSS, JavaScript, Node.js, SQL